

SYSTEM AND METHOD FOR ACTIVATING GAIN STAGES IN AN AMPLIFICATION MODULE

ABSTRACT OF THE DISCLOSURE

A system is provided for activating gain stages in an amplification module. The system includes an amplification module including a first group of amplifiers. Inverting output ports of each of the first group of amplifiers are coupled to a module inverting output terminal, and non-inverting output ports are coupled to a module non-inverting output terminal. A divider network is provided and is coupled to the input ports of the first group of amplifiers. A second group of amplifiers is also provided. Each amplifier of the second group corresponds to one of the amplifiers in the first group, has an inverting input port coupled to the second module inverting input terminal and to output ports of the divider network, and a non-inverting input port coupled to the second non-inverting input terminal. The inverting output ports of the second group of amplifiers are coupled to the inverting output terminal and non-inverting output ports of the second group of amplifiers are coupled to the non-inverting output terminal.